

PERCUTANEOUS REMOVAL OF SENTINEL LYMPH NODE USING CONTRAST IMAGING FOR IDENTIFICATION

ABSTRACT OF THE DISCLOSURE

5 A system and method for percutaneous removal of a sentinel lymph node using a
radiological contrast agent for identification and guidance of the procedure are disclosed.
The method generally includes injecting a radiological contrast agent detectable by an
imaging modality into an area of interest, identifying a sentinel lymph node in at least one
area of draining lymph nodes that receive lymphatic fluid from the area of interest by
10 imaging the area(s) of draining lymph nodes utilizing the imaging modality, introducing a
percutaneous excision device into the area(s) of the draining lymph nodes, and excising
the identified sentinel lymph node in the area(s) of draining lymph nodes using the
percutaneous excision device, where the introducing and/or the excising is performed
under guidance by imaging at least portions of the identified sentinel lymph node and the
15 percutaneous excision device. A second agent may be injected with the radiological
contrast agent for increased sensitivity of identification.